

FIG. 1

COMMON DATA
STRUCTURE
ACCESS PROCESS

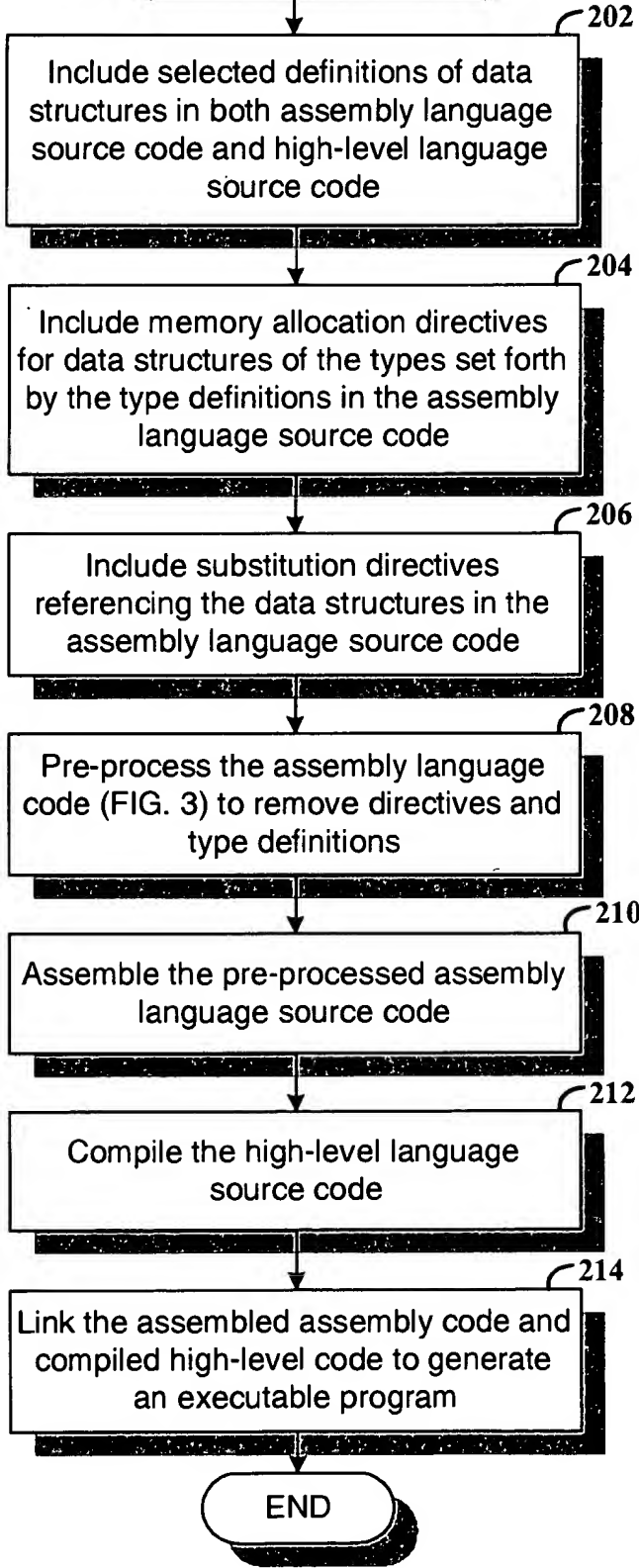


FIG. 2

ASSEMBLY
CODE PRE-
PROCESSOR

252
Convert high-level type
definitions in assembly
code into internal form
and remove the type
definitions from the
assembly code

254
Read the addresses and
sizes from the allocation
directives and remove the
allocation directives from
the assembly source

256
Replace substitution
directives in the assembly
code with locations and/or
sizes associated with the
referenced data structure

END

FIG. 3